

**Q.P. Code : 14985**

(3 Hours)

[ Total Marks : 80

N.B. : (1) Attempt any **four** questions.

1. (a) Compare Open source software with Other type of Software. 10
1. (b) Explain partition of Hard disk with respect to dual boot environment also explain the purpose of bootloader 10
- 2 (a) Explain File system Hierarchy Standards (FHS) 10
2. (b) Write a note on Process management in Linux along with the relevant command used for process management? 10
3. (a) Describe /etc/passwd, /etc/group and /etc/shadow files with respect to user administration 10
3. (b) Explain the purpose of following networking command 10
  - (i) ifconfig      (ii) traceroute      (iii) nslookup      (iv) route      (v) arp
4. (a) Discuss steps for the configuration of Linux machines as the Master DNS server. 10
4. (b) Write a note on "working with a Web using shell script". 10
5. (a) Explain the role of Linux kernel in the Android Architecture. 5
- (b) Enlist some native Android libraries used in Android Architecture. 5
- (c) Describe the role of intent in Android programming. 5
- (d) Explain SmsManager class in Android development. 5
- 6 Write a short note on :— 20
  - (a) Location -based services
  - (b) iptables
  - (c) init initialization in Linux OS
  - (d) Backup commands in Linux OS